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(71) Applicant (for all designated States except US): **TO-MOPHASE CORPORATION [US/US]**; 38 Montvale Avenue, Suite 260, Stoneham, MA 02180 (US).

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(72) Inventor; and  
(75) Inventor/Applicant (for US only): **WANG, Feiling [US/US]**; 54 Forest St. #322, Medford, MA 02155 (US).

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(74) Agent: **AI, Bing; Fish & Richardson P.C.**, 12390 El Camino Real, San Diego, CA 92130 (US).

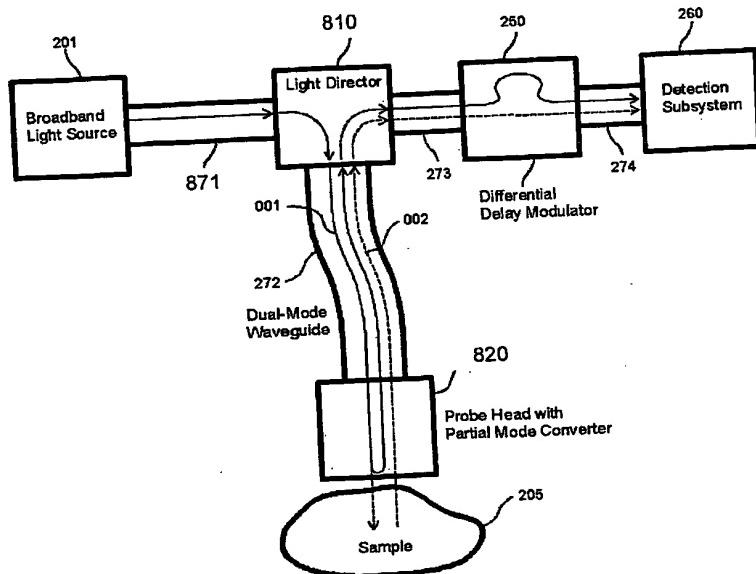
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*[Continued on next page]*

(54) Title: MEASUREMENTS OF OPTICAL INHOMOGENEITY AND OTHER PROPERTIES IN SUBSTANCES USING PROPAGATION MODES OF LIGHT



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(57) Abstract: This application describes designs, implementations, and techniques for controlling propagation mode or modes of light in a common optical path, which may include one or more waveguides, to sense a sample.



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(71) Applicant (for all designated States except US): **TO-MOPHASE CORPORATION [US/US]**; 38 Montvale Avenue, Suite 260, Stoneham, MA 02180 (US).

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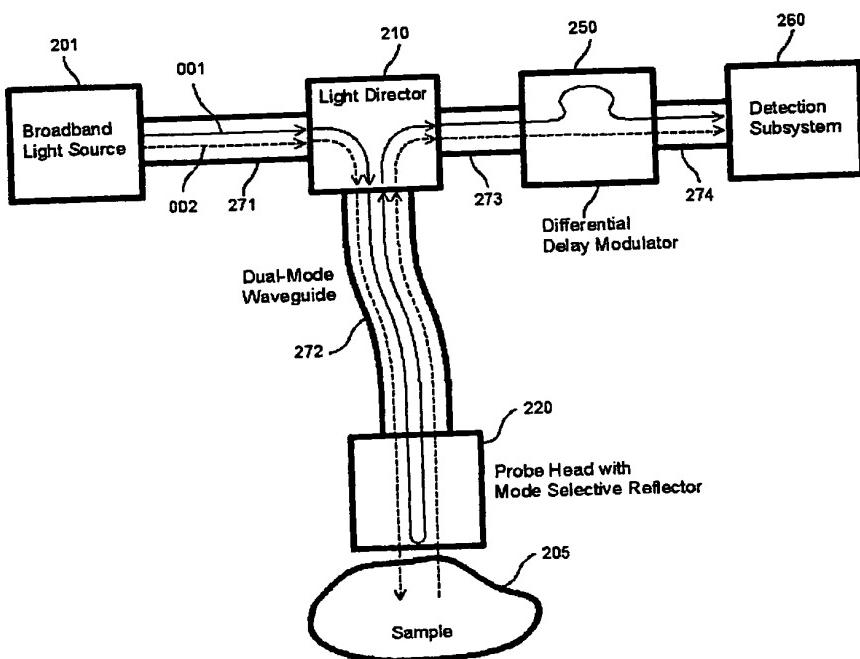
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